



17 March, 2004

Tom Lae  
CH2M Hill - Sacramento  
2485 Natomas Park Dr., Ste. 600  
Sacramento, CA 95833-2937

RE: N/A  
Work Order: S402628

Enclosed are the results of analyses for samples received by the laboratory on 02/27/04 09:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Calcagno For Ron Chew  
Client Services Representative

CA ELAP Certificate #1624

CH2M Hill - Sacramento  
2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

**S402628**  
**Reported:**  
03/17/04 16:13

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB1-0	S402628-01	Soil	02/24/04 15:51	02/27/04 09:40
SB1-3	S402628-02	Soil	02/24/04 15:57	02/27/04 09:40
SB6-0	S402628-03	Soil	02/25/04 09:55	02/27/04 09:40
SB6-3	S402628-04	Soil	02/25/04 10:00	02/27/04 09:40
SB7-0	S402628-05	Soil	02/25/04 12:01	02/27/04 09:40
SB7-3	S402628-06	Soil	02/25/04 12:10	02/27/04 09:40
SB4-0	S402628-07	Soil	02/25/04 13:35	02/27/04 09:40
SB4-3	S402628-08	Soil	02/25/04 13:42	02/27/04 09:40
SB3-0	S402628-09	Soil	02/25/04 15:50	02/27/04 09:40
SB3-3	S402628-10	Soil	02/25/04 15:58	02/27/04 09:40
SB5-0	S402628-11	Soil	02/24/04 10:33	02/27/04 09:40
SB5-3	S402628-12	Soil	02/24/04 10:41	02/27/04 09:40
SB2-0	S402628-13	Soil	02/24/04 12:10	02/27/04 09:40
SB2-3	S402628-14	Soil	02/24/04 12:16	02/27/04 09:40
SB8-0	S402628-15	Soil	02/24/04 14:05	02/27/04 09:40
SB8-3	S402628-16	Soil	02/24/04 14:20	02/27/04 09:40
COMP 1	S402628-17	Soil	02/25/04 16:07	02/27/04 09:40
COMP 2	S402628-18	Soil	02/25/04 16:42	02/27/04 09:40

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## INORGANICS

### Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>COMP 1 (S402628-17) Soil    Sampled: 02/25/04 16:07    Received: 02/27/04 09:40</b>									
Ignitability	ND	1.0	N/A	1	4C04115	03/04/04	03/04/04	SW846 7.1.2	
<b>COMP 2 (S402628-18) Soil    Sampled: 02/25/04 16:42    Received: 02/27/04 09:40</b>									
Ignitability	ND	1.0	N/A	1	4C04115	03/04/04	03/04/04	SW846 7.1.2	

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## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Reporting				Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units	Dilution					
SB1-0 (S402628-01) Soil    Sampled: 02/24/04 15:51    Received: 02/27/04 09:40									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	170	170	"	10	"	"	03/11/04	"	
Benzo (a) anthracene	140	17	"	1	"	"	03/10/04	"	A-01
Benzo (b) fluoranthene	85	17	"	"	"	"	"	"	A-01
Benzo (k) fluoranthene	26	17	"	"	"	"	"	"	A-01, CC06
Benzo (g,h,i) perylene	ND	330	"	10	"	"	03/11/04	"	R-05
Benzo (a) pyrene	25	17	"	1	"	"	03/10/04	"	A-01
Chrysene	46	17	"	"	"	"	"	"	A-01
Dibenz (a,h) anthracene	ND	330	"	10	"	"	03/11/04	"	R-05
Fluoranthene	470	170	"	"	"	"	"	"	A-01
Fluorene	ND	33	"	1	"	"	03/10/04	"	
Indeno (1,2,3-cd) pyrene	ND	170	"	10	"	"	03/11/04	"	R-05
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
Phenanthrene	46	17	"	"	"	"	"	"	
Pyrene	230	170	"	10	"	"	03/11/04	"	A-01
Surrogate: Carbazole		71 %	42-109		"	"	03/10/04	"	
Surrogate: Terphenyl-d14		%	63-112		"	"	"	"	S07
SB1-3 (S402628-02) Soil    Sampled: 02/24/04 15:57    Received: 02/27/04 09:40									
Acenaphthene	480	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	170	"	10	"	"	03/11/04	"	
Benzo (a) anthracene	250	170	"	"	"	"	"	"	A-01
Benzo (b) fluoranthene	250	170	"	"	"	"	"	"	A-01
Benzo (k) fluoranthene	91	17	"	1	"	"	03/10/04	"	A-01, CC06
Benzo (g,h,i) perylene	ND	330	"	10	"	"	03/11/04	"	R-05
Benzo (a) pyrene	140	17	"	1	"	"	03/10/04	"	
Chrysene	230	170	"	10	"	"	03/11/04	"	A-01
Dibenz (a,h) anthracene	390	330	"	"	"	"	"	"	A-01
Fluoranthene	580	170	"	"	"	"	"	"	
Fluorene	330	33	"	1	"	"	03/10/04	"	A-01
Indeno (1,2,3-cd) pyrene	190	170	"	10	"	"	03/11/04	"	A-01
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
Phenanthrene	ND	17	"	"	"	"	"	"	
Pyrene	1200	170	"	10	"	"	03/11/04	"	A-01
Surrogate: Carbazole		85 %	42-109		"	"	03/10/04	"	

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## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB1-3 (S402628-02) Soil    Sampled: 02/24/04 15:57    Received: 02/27/04 09:40</b>									
<i>Surrogate: Terphenyl-d14</i>		142 %	63-112		4030044	03/02/04	03/10/04	EPA 8310	S17
<b>SB6-0 (S402628-03) Soil    Sampled: 02/25/04 09:55    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
<b>Anthracene</b>	<b>83</b>	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>330</b>	170	"	10	"	"	03/11/04	"	
<b>Benzo (b) fluoranthene</b>	<b>730</b>	170	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>240</b>	170	"	"	"	"	"	"	
<b>Benzo (g,h,i) perylene</b>	<b>870</b>	330	"	"	"	"	"	"	
<b>Benzo (a) pyrene</b>	<b>550</b>	170	"	"	"	"	"	"	CC06c, CC07
<b>Chrysene</b>	<b>430</b>	170	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>950</b>	330	"	"	"	"	"	"	A-01
<b>Fluoranthene</b>	<b>1400</b>	170	"	"	"	"	"	"	
<b>Fluorene</b>	<b>82</b>	33	"	1	"	"	03/10/04	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>1300</b>	170	"	10	"	"	03/11/04	"	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>820</b>	170	"	10	"	"	03/11/04	"	
<b>Pyrene</b>	<b>1500</b>	170	"	"	"	"	"	"	
<i>Surrogate: Carbazole</i>		88 %	42-109		"	"	03/10/04	"	
<i>Surrogate: Terphenyl-d14</i>		76 %	63-112		"	"	"	"	
<b>SB6-3 (S402628-04) Soil    Sampled: 02/25/04 10:00    Received: 02/27/04 09:40</b>									
<b>Acenaphthene</b>	<b>810</b>	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	A-01
Acenaphthylene	ND	330	"	"	"	"	"	"	
<b>Anthracene</b>	<b>150</b>	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>910</b>	170	"	10	"	"	03/11/04	"	
<b>Benzo (b) fluoranthene</b>	<b>1900</b>	170	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>760</b>	170	"	"	"	"	"	"	
<b>Benzo (g,h,i) perylene</b>	<b>2200</b>	330	"	"	"	"	"	"	
<b>Benzo (a) pyrene</b>	<b>1500</b>	170	"	"	"	"	"	"	CC06c, CC07
<b>Chrysene</b>	<b>1100</b>	170	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>2500</b>	330	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>2300</b>	170	"	"	"	"	"	"	
<b>Fluorene</b>	<b>66</b>	33	"	1	"	"	03/10/04	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>3000</b>	680	"	40	"	"	03/11/04	"	
<b>Naphthalene</b>	<b>210</b>	170	"	1	"	"	03/10/04	"	

Sequoia Analytical - Sacramento

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.*

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## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB6-3 (S402628-04) Soil    Sampled: 02/25/04 10:00    Received: 02/27/04 09:40</b>									
<b>Phenanthrene</b>	<b>1000</b>	170	ug/kg	10	4030044	03/02/04	03/11/04	EPA 8310	
<b>Pyrene</b>	<b>3300</b>	680	"	40	"	"	03/11/04	"	
<i>Surrogate: Carbazole</i>		180 %	42-109		"	"	03/10/04	"	S04
<i>Surrogate: Terphenyl-d14</i>		196 %	63-112		"	"	"	"	S04
<b>SB7-0 (S402628-05) Soil    Sampled: 02/25/04 12:01    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
<b>Anthracene</b>	<b>290</b>	170	"	10	"	"	03/11/04	"	
<b>Benzo (a) anthracene</b>	<b>830</b>	170	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>1800</b>	170	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>600</b>	170	"	"	"	"	"	"	
<b>Benzo (g,h,i) perylene</b>	<b>1600</b>	330	"	"	"	"	"	"	
<b>Benzo (a) pyrene</b>	<b>1500</b>	170	"	"	"	"	"	"	CC06c, CC07
<b>Chrysene</b>	<b>1100</b>	170	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>2500</b>	330	"	"	"	"	"	"	A-01
<b>Fluoranthene</b>	<b>3100</b>	170	"	"	"	"	"	"	
<b>Fluorene</b>	<b>52</b>	33	"	1	"	"	03/10/04	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>2900</b>	1700	"	100	"	"	03/11/04	"	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>1100</b>	170	"	10	"	"	03/11/04	"	
<b>Pyrene</b>	<b>4300</b>	1700	"	100	"	"	03/11/04	"	
<i>Surrogate: Carbazole</i>		69 %	42-109		"	"	03/10/04	"	
<i>Surrogate: Terphenyl-d14</i>		53 %	63-112		"	"	"	"	S05

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## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Reporting				Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units							
SB7-3 (S402628-06) Soil    Sampled: 02/25/04 12:10    Received: 02/27/04 09:40										
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310		
Acenaphthylene	ND	330	"	"	"	"	"	"		
Anthracene	ND	17	"	"	"	"	"	"		
Benzo (a) anthracene	ND	17	"	"	"	"	"	"		
Benzo (b) fluoranthene	ND	17	"	"	"	"	"	"		
Benzo (k) fluoranthene	ND	17	"	"	"	"	"	"		CC06
Benzo (g,h,i) perylene	ND	33	"	"	"	"	"	"		CC07
Benzo (a) pyrene	ND	17	"	"	"	"	"	"		
Chrysene	ND	17	"	"	"	"	"	"		
Dibenz (a,h) anthracene	ND	33	"	"	"	"	"	"		
Fluoranthene	ND	17	"	"	"	"	"	"		
Fluorene	ND	33	"	"	"	"	"	"		
Indeno (1,2,3-cd) pyrene	ND	17	"	"	"	"	"	"		
Naphthalene	ND	170	"	"	"	"	"	"		
Phenanthrene	ND	17	"	"	"	"	"	"		
Pyrene	ND	17	"	"	"	"	"	"		
Surrogate: Carbazole		63 %	42-109		"	"	"	"		
Surrogate: Terphenyl-d14		69 %	63-112		"	"	"	"		
SB4-0 (S402628-07) Soil    Sampled: 02/25/04 13:35    Received: 02/27/04 09:40										
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310		
Acenaphthylene	ND	330	"	"	"	"	"	"		
Anthracene	ND	17	"	"	"	"	"	"		
Benzo (a) anthracene	61	17	"	"	"	"	"	"		A-01
Benzo (b) fluoranthene	42	17	"	"	"	"	"	"		A-01
Benzo (k) fluoranthene	ND	17	"	"	"	"	"	"		A-01, CC06
Benzo (g,h,i) perylene	ND	330	"	10	"	"	03/11/04	"		R-05
Benzo (a) pyrene	ND	17	"	1	"	"	03/10/04	"		A-01
Chrysene	41	17	"	"	"	"	"	"		A-01
Dibenz (a,h) anthracene	ND	330	"	10	"	"	03/11/04	"		R-05
Fluoranthene	170	17	"	1	"	"	03/10/04	"		A-01
Fluorene	ND	33	"	"	"	"	"	"		
Indeno (1,2,3-cd) pyrene	ND	170	"	10	"	"	03/11/04	"		R-05
Naphthalene	ND	170	"	1	"	"	03/10/04	"		
Phenanthrene	19	17	"	"	"	"	"	"		
Pyrene	70	17	"	"	"	"	"	"		A-01
Surrogate: Carbazole		58 %	42-109		"	"	"	"		

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## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB4-0 (S402628-07) Soil    Sampled: 02/25/04 13:35    Received: 02/27/04 09:40</b>									
<i>Surrogate: Terphenyl-d14</i>		13 %	63-112		4030044	03/02/04	03/10/04	EPA 8310	S05
<b>SB4-3 (S402628-08) Soil    Sampled: 02/25/04 13:42    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>32</b>	17	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>32</b>	17	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>18</b>	17	"	"	"	"	"	"	CC06
Benzo (g,h,i) perylene	ND	330	"	10	"	"	03/11/04	"	R-05
<b>Benzo (a) pyrene</b>	<b>33</b>	17	"	1	"	"	03/10/04	"	
<b>Chrysene</b>	<b>39</b>	17	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	10	"	"	03/11/04	"	R-05
<b>Fluoranthene</b>	<b>57</b>	17	"	1	"	"	03/10/04	"	
Fluorene	ND	33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	170	"	10	"	"	03/11/04	"	R-05
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>23</b>	17	"	"	"	"	"	"	
<b>Pyrene</b>	<b>64</b>	17	"	"	"	"	"	"	
<i>Surrogate: Carbazole</i>		78 %	42-109		"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		75 %	63-112		"	"	"	"	
<b>SB3-0 (S402628-09) Soil    Sampled: 02/25/04 15:50    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
<b>Anthracene</b>	<b>39</b>	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>130</b>	17	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>160</b>	17	"	"	"	"	"	"	A-01
<b>Benzo (k) fluoranthene</b>	<b>62</b>	17	"	"	"	"	"	"	CC06a, CC07
Benzo (g,h,i) perylene	ND	330	"	10	"	"	03/11/04	"	R-05
<b>Benzo (a) pyrene</b>	<b>120</b>	17	"	1	"	"	03/10/04	"	
<b>Chrysene</b>	<b>150</b>	17	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	330	"	10	"	"	03/11/04	"	R-05
<b>Fluoranthene</b>	<b>330</b>	170	"	"	"	"	"	"	
<b>Fluorene</b>	<b>47</b>	33	"	1	"	"	03/10/04	"	A-01
<b>Indeno (1,2,3-cd) pyrene</b>	<b>210</b>	170	"	10	"	"	03/11/04	"	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	



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**Reported:**  
03/17/04 16:13

## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB3-0 (S402628-09) Soil    Sampled: 02/25/04 15:50    Received: 02/27/04 09:40</b>									
<b>Phenanthrene</b>	<b>160</b>	17	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
<b>Pyrene</b>	<b>340</b>	170	"	10	"	"	03/11/04	"	
<i>Surrogate: Carbazole</i>		64 %	42-109		"	"	03/10/04	"	
<i>Surrogate: Terphenyl-d14</i>		52 %	63-112		"	"	"	"	S05
<b>SB3-3 (S402628-10) Soil    Sampled: 02/25/04 15:58    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
<b>Acenaphthylene</b>	<b>1800</b>	330	"	"	"	"	"	"	
<b>Anthracene</b>	<b>3900</b>	1700	"	100	"	"	03/11/04	"	
<b>Benzo (a) anthracene</b>	<b>8000</b>	1700	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>6800</b>	1700	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>4300</b>	1700	"	"	"	"	"	"	
<b>Benzo (g,h,i) perylene</b>	<b>8900</b>	3300	"	"	"	"	"	"	
<b>Benzo (a) pyrene</b>	<b>7500</b>	1700	"	"	"	"	"	"	
<b>Chrysene</b>	<b>8200</b>	1700	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>9800</b>	3300	"	"	"	"	"	"	
<b>Fluoranthene</b>	<b>16000</b>	1700	"	"	"	"	"	"	
Fluorene	ND	3300	"	"	"	"	"	"	R-05
<b>Indeno (1,2,3-cd) pyrene</b>	<b>5800</b>	1700	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>1200</b>	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>15000</b>	1700	"	100	"	"	03/11/04	"	
<b>Pyrene</b>	<b>20000</b>	1700	"	"	"	"	"	"	
<i>Surrogate: Carbazole</i>		1320 %	42-109		"	"	03/10/04	"	S04
<i>Surrogate: Terphenyl-d14</i>		%	63-112		"	"	"	"	S07

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Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB5-0 (S402628-11) Soil    Sampled: 02/24/04 10:33    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
<b>Anthracene</b>	<b>90</b>	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>280</b>	170	"	10	"	"	03/11/04	"	
<b>Benzo (b) fluoranthene</b>	<b>550</b>	170	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>200</b>	170	"	"	"	"	"	"	
<b>Benzo (g,h,i) perylene</b>	<b>730</b>	330	"	"	"	"	"	"	
<b>Benzo (a) pyrene</b>	<b>490</b>	170	"	"	"	"	"	"	CC06c, CC07
<b>Chrysene</b>	<b>340</b>	170	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>670</b>	330	"	"	"	"	"	"	A-01
<b>Fluoranthene</b>	<b>1100</b>	170	"	"	"	"	"	"	
<b>Fluorene</b>	<b>33</b>	33	"	1	"	"	03/10/04	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>1000</b>	170	"	10	"	"	03/11/04	"	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>690</b>	170	"	10	"	"	03/11/04	"	
<b>Pyrene</b>	<b>1400</b>	170	"	"	"	"	"	"	
Surrogate: Carbazole		81 %	42-109		"	"	03/10/04	"	
Surrogate: Terphenyl-d14		58 %	63-112		"	"	"	"	S05
<b>SB5-3 (S402628-12) Soil    Sampled: 02/24/04 10:41    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>33</b>	17	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>54</b>	34	"	2	"	"	03/11/04	"	
<b>Benzo (k) fluoranthene</b>	<b>18</b>	17	"	1	"	"	03/10/04	"	CC06a, CC07
<b>Benzo (g,h,i) perylene</b>	<b>68</b>	66	"	2	"	"	03/11/04	"	CC07
<b>Benzo (a) pyrene</b>	<b>48</b>	34	"	"	"	"	"	"	CC06b
<b>Chrysene</b>	<b>48</b>	17	"	1	"	"	03/10/04	"	
<b>Dibenz (a,h) anthracene</b>	<b>92</b>	66	"	2	"	"	03/11/04	"	A-01
<b>Fluoranthene</b>	<b>60</b>	34	"	"	"	"	"	"	
Fluorene	ND	33	"	1	"	"	03/10/04	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>53</b>	34	"	2	"	"	03/11/04	"	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>24</b>	17	"	"	"	"	"	"	
<b>Pyrene</b>	<b>82</b>	34	"	2	"	"	03/11/04	"	

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S402628  
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03/17/04 16:13

## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB5-3 (S402628-12) Soil Sampled: 02/24/04 10:41 Received: 02/27/04 09:40</b>									
Surrogate: Carbazole		80 %	42-109		4030044	03/02/04	03/10/04	EPA 8310	
Surrogate: Terphenyl-d14		82 %	63-112		"	"	"	"	
<b>SB2-0 (S402628-13) Soil Sampled: 02/24/04 12:10 Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>51</b>	34	"	2	"	"	03/11/04	"	
<b>Benzo (b) fluoranthene</b>	<b>140</b>	34	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>53</b>	34	"	"	"	"	"	"	
<b>Benzo (g,h,i) perylene</b>	<b>210</b>	66	"	"	"	"	"	"	CC07
<b>Benzo (a) pyrene</b>	<b>110</b>	34	"	"	"	"	"	"	CC06b
<b>Chrysene</b>	<b>71</b>	34	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>250</b>	66	"	"	"	"	"	"	A-01
<b>Fluoranthene</b>	<b>160</b>	34	"	"	"	"	"	"	
Fluorene	ND	33	"	1	"	"	03/10/04	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>180</b>	34	"	2	"	"	03/11/04	"	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>77</b>	34	"	2	"	"	03/11/04	"	
<b>Pyrene</b>	<b>210</b>	34	"	"	"	"	"	"	
Surrogate: Carbazole		71 %	42-109		"	"	03/10/04	"	
Surrogate: Terphenyl-d14		66 %	63-112		"	"	"	"	
<b>SB2-3 (S402628-14) Soil Sampled: 02/24/04 12:16 Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>42</b>	17	"	"	"	"	"	"	
<b>Benzo (b) fluoranthene</b>	<b>210</b>	170	"	10	"	"	03/11/04	"	
<b>Benzo (k) fluoranthene</b>	<b>84</b>	17	"	1	"	"	03/10/04	"	CC06a, CC07
<b>Benzo (g,h,i) perylene</b>	<b>450</b>	330	"	10	"	"	03/11/04	"	
<b>Benzo (a) pyrene</b>	<b>170</b>	170	"	"	"	"	"	"	CC06c, CC07
<b>Chrysene</b>	<b>47</b>	17	"	1	"	"	03/10/04	"	
Dibenz (a,h) anthracene	ND	330	"	10	"	"	03/11/04	"	A-01, R-05
<b>Fluoranthene</b>	<b>54</b>	17	"	1	"	"	03/10/04	"	
Fluorene	ND	33	"	"	"	"	"	"	

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03/17/04 16:13

## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB2-3 (S402628-14) Soil    Sampled: 02/24/04 12:16    Received: 02/27/04 09:40</b>									
<b>Indeno (1,2,3-cd) pyrene</b>	<b>380</b>	170	ug/kg	10	4030044	03/02/04	03/11/04	EPA 8310	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>55</b>	17	"	"	"	"	"	"	
<b>Pyrene</b>	<b>64</b>	17	"	"	"	"	"	"	
Surrogate: Carbazole		76 %	42-109		"	"	"	"	
Surrogate: Terphenyl-d14		80 %	63-112		"	"	"	"	
<b>SB8-0 (S402628-15) Soil    Sampled: 02/24/04 14:05    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
<b>Anthracene</b>	<b>24</b>	17	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>81</b>	34	"	2	"	"	03/11/04	"	
<b>Benzo (b) fluoranthene</b>	<b>100</b>	34	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>51</b>	34	"	"	"	"	"	"	
<b>Benzo (g,h,i) perylene</b>	<b>120</b>	66	"	"	"	"	"	"	CC07
<b>Benzo (a) pyrene</b>	<b>80</b>	34	"	"	"	"	"	"	CC06b
<b>Chrysene</b>	<b>91</b>	34	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>77</b>	66	"	"	"	"	"	"	A-01
<b>Fluoranthene</b>	<b>280</b>	34	"	"	"	"	"	"	
Fluorene	ND	33	"	1	"	"	03/10/04	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>110</b>	34	"	2	"	"	03/11/04	"	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>170</b>	34	"	2	"	"	03/11/04	"	
<b>Pyrene</b>	<b>250</b>	34	"	"	"	"	"	"	
Surrogate: Carbazole		145 %	42-109		"	"	03/10/04	"	S04
Surrogate: Terphenyl-d14		93 %	63-112		"	"	"	"	

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### Polynuclear Aromatic Compounds by EPA Method 8310

#### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB8-3 (S402628-16) Soil Sampled: 02/24/04 14:20 Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	17	"	"	"	"	"	"	
Benzo (a) anthracene	ND	17	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	17	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	17	"	"	"	"	"	"	CC07, CC06a
Benzo (g,h,i) perylene	ND	33	"	"	"	"	"	"	
Benzo (a) pyrene	ND	17	"	"	"	"	"	"	
Chrysene	ND	17	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	33	"	"	"	"	"	"	
Fluoranthene	ND	17	"	"	"	"	"	"	
Fluorene	ND	33	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	17	"	"	"	"	"	"	
Naphthalene	ND	170	"	"	"	"	"	"	
Phenanthrene	ND	17	"	"	"	"	"	"	
Pyrene	ND	17	"	"	"	"	"	"	
Surrogate: Carbazole		87 %	42-109		"	"	"	"	
Surrogate: Terphenyl-d14		93 %	63-112		"	"	"	"	
<b>COMP 1 (S402628-17) Soil Sampled: 02/25/04 16:07 Received: 02/27/04 09:40</b>									
Acenaphthene	ND	170	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	330	"	"	"	"	"	"	
Anthracene	ND	17	"	"	"	"	"	"	
Benzo (a) anthracene	55	34	"	2	"	"	03/11/04	"	
Benzo (b) fluoranthene	130	34	"	"	"	"	"	"	
Benzo (k) fluoranthene	43	34	"	"	"	"	"	"	
Benzo (g,h,i) perylene	200	66	"	"	"	"	"	"	CC07
Benzo (a) pyrene	110	34	"	"	"	"	"	"	CC06b
Chrysene	69	34	"	"	"	"	"	"	
Dibenz (a,h) anthracene	310	66	"	"	"	"	"	"	A-01
Fluoranthene	180	34	"	"	"	"	"	"	
Fluorene	ND	33	"	1	"	"	03/10/04	"	
Indeno (1,2,3-cd) pyrene	290	34	"	2	"	"	03/11/04	"	
Naphthalene	ND	170	"	1	"	"	03/10/04	"	
Phenanthrene	77	34	"	2	"	"	03/11/04	"	
Pyrene	220	34	"	"	"	"	"	"	
Surrogate: Carbazole		36 %	42-109		"	"	03/10/04	"	S02

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## Polynuclear Aromatic Compounds by EPA Method 8310

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>COMP 1 (S402628-17) Soil    Sampled: 02/25/04 16:07    Received: 02/27/04 09:40</b>									
<i>Surrogate: Terphenyl-d14</i>		33 %	63-112		4030044	03/02/04	03/10/04	EPA 8310	S02
<b>COMP 2 (S402628-18) Soil    Sampled: 02/25/04 16:42    Received: 02/27/04 09:40</b>									
Acenaphthene	ND	340	ug/kg	1	4030044	03/02/04	03/10/04	EPA 8310	
Acenaphthylene	ND	660	"	"	"	"	"	"	
<b>Anthracene</b>	<b>84</b>	34	"	"	"	"	"	"	
<b>Benzo (a) anthracene</b>	<b>350</b>	340	"	10	"	"	03/11/04	"	
<b>Benzo (b) fluoranthene</b>	<b>670</b>	340	"	"	"	"	"	"	
<b>Benzo (k) fluoranthene</b>	<b>250</b>	34	"	1	"	"	03/10/04	"	CC06a, CC07
<b>Benzo (g,h,i) perylene</b>	<b>1000</b>	660	"	10	"	"	03/11/04	"	
<b>Benzo (a) pyrene</b>	<b>630</b>	340	"	"	"	"	"	"	CC06c, CC07
<b>Chrysene</b>	<b>420</b>	340	"	"	"	"	"	"	
<b>Dibenz (a,h) anthracene</b>	<b>960</b>	660	"	"	"	"	"	"	A-01
<b>Fluoranthene</b>	<b>1100</b>	340	"	"	"	"	"	"	
Fluorene	ND	66	"	1	"	"	03/10/04	"	
<b>Indeno (1,2,3-cd) pyrene</b>	<b>1000</b>	340	"	10	"	"	03/11/04	"	
Naphthalene	ND	340	"	1	"	"	03/10/04	"	
<b>Phenanthrene</b>	<b>510</b>	340	"	10	"	"	03/11/04	"	
<b>Pyrene</b>	<b>1300</b>	340	"	"	"	"	"	"	
<i>Surrogate: Carbazole</i>		78 %	42-109		"	"	03/10/04	"	
<i>Surrogate: Terphenyl-d14</i>		71 %	63-112		"	"	"	"	

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**S402628**  
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### Conventional Chemistry Parameters by APHA/EPA Methods

#### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>COMP 1 (S402628-17) Soil    Sampled: 02/25/04 16:07    Received: 02/27/04 09:40</b>									
Reactivity in Water	ND	1.0	N/A	1	4030174	03/03/04	03/04/04	SW846, Ch. 7	
Reactive Cyanide	ND	10	mg/l	"	"	"	03/04/04	SW846 Ch. 7.3	
Reactive Sulfide	ND	50	"	"	"	"	03/04/04	"	
<b>COMP 2 (S402628-18) Soil    Sampled: 02/25/04 16:42    Received: 02/27/04 09:40</b>									
Reactivity in Water	ND	1.0	N/A	1	4030174	03/03/04	03/04/04	SW846, Ch. 7	
Reactive Cyanide	ND	10	mg/l	"	"	"	03/04/04	SW846 Ch. 7.3	
Reactive Sulfide	ND	50	"	"	"	"	03/04/04	"	

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### Purgeable Hydrocarbons by EPA 8015B

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB1-0 (S402628-01) Soil Sampled: 02/24/04 15:51 Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		60 %	60-140		"	"	"	"	
<b>SB1-3 (S402628-02) Soil Sampled: 02/24/04 15:57 Received: 02/27/04 09:40</b>									
Gasoline Range Organics	120	5.0	mg/kg	50	4030053	03/04/04	03/04/04	EPA 8015B	HC-12
Surrogate: a,a,a-Trifluorotoluene		94 %	60-140		"	"	"	"	
<b>SB6-0 (S402628-03) Soil Sampled: 02/25/04 09:55 Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		64 %	60-140		"	"	"	"	
<b>SB6-3 (S402628-04) Soil Sampled: 02/25/04 10:00 Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		62 %	60-140		"	"	"	"	
<b>SB7-0 (S402628-05) Soil Sampled: 02/25/04 12:01 Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		49 %	60-140		"	"	"	"	zS04
<b>SB7-3 (S402628-06) Soil Sampled: 02/25/04 12:10 Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		65 %	60-140		"	"	"	"	
<b>SB4-0 (S402628-07) Soil Sampled: 02/25/04 13:35 Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		55 %	60-140		"	"	"	"	zS04



CH2M Hill - Sacramento  
2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

### Purgeable Hydrocarbons by EPA 8015B

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB4-3 (S402628-08) Soil    Sampled: 02/25/04 13:42    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		66 %	60-140		"	"	"	"	
<b>SB3-0 (S402628-09) Soil    Sampled: 02/25/04 15:50    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/04/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		53 %	60-140		"	"	"	"	zS04
<b>SB3-3 (S402628-10) Soil    Sampled: 02/25/04 15:58    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		46 %	60-140		"	"	"	"	zS04
<b>SB5-0 (S402628-11) Soil    Sampled: 02/24/04 10:33    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		50 %	60-140		"	"	"	"	zS04
<b>SB5-3 (S402628-12) Soil    Sampled: 02/24/04 10:41    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		78 %	60-140		"	"	"	"	
<b>SB2-0 (S402628-13) Soil    Sampled: 02/24/04 12:10    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		77 %	60-140		"	"	"	"	
<b>SB2-3 (S402628-14) Soil    Sampled: 02/24/04 12:16    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		68 %	60-140		"	"	"	"	

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### Purgeable Hydrocarbons by EPA 8015B

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB8-0 (S402628-15) Soil    Sampled: 02/24/04 14:05    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		70 %	60-140		"	"	"	"	
<b>SB8-3 (S402628-16) Soil    Sampled: 02/24/04 14:20    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	ND	0.10	mg/kg	1	4020384	03/03/04	03/03/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		80 %	60-140		"	"	"	"	
<b>COMP 1 (S402628-17) Soil    Sampled: 02/25/04 16:07    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	0.11	0.10	mg/kg	1	4020384	03/03/04	03/04/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		64 %	60-140		"	"	"	"	
<b>COMP 2 (S402628-18) Soil    Sampled: 02/25/04 16:42    Received: 02/27/04 09:40</b>									
Gasoline Range Organics	0.56	0.50	mg/kg	5	4020384	03/03/04	03/04/04	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		76 %	60-140		"	"	"	"	

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03/17/04 16:13

### Extractable Hydrocarbons by EPA 8015B

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB1-0 (S402628-01) Soil    Sampled: 02/24/04 15:51    Received: 02/27/04 09:40    <span style="float: right;">R-06</span></b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>600</b>	50	mg/kg	5	4030069	03/04/04	03/08/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		7620 %	50-150		"	"	"	"	S09
<b>SB1-3 (S402628-02) Soil    Sampled: 02/24/04 15:57    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>3500</b>	400	mg/kg	200	4030069	03/04/04	03/06/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		6100 %	50-150		"	"	"	"	S09
<b>SB6-0 (S402628-03) Soil    Sampled: 02/25/04 09:55    Received: 02/27/04 09:40    <span style="float: right;">R-06</span></b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>410</b>	200	mg/kg	20	4030069	03/04/04	03/04/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		6760 %	50-150		"	"	"	"	S09
<b>SB6-3 (S402628-04) Soil    Sampled: 02/25/04 10:00    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>61</b>	10	mg/kg	5	4030069	03/04/04	03/06/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		493 %	50-150		"	"	"	"	S09
<b>SB7-0 (S402628-05) Soil    Sampled: 02/25/04 12:01    Received: 02/27/04 09:40    <span style="float: right;">R-06</span></b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>910</b>	500	mg/kg	50	4030069	03/04/04	03/05/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		6480 %	50-150		"	"	"	"	S09
<b>SB7-3 (S402628-06) Soil    Sampled: 02/25/04 12:10    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>ND</b>	2.0	mg/kg	1	4030069	03/04/04	03/05/04	EPA 8015B	
<i>Surrogate: Octacosane</i>		124 %	50-150		"	"	"	"	
<b>SB4-0 (S402628-07) Soil    Sampled: 02/25/04 13:35    Received: 02/27/04 09:40    <span style="float: right;">R-06</span></b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>160</b>	50	mg/kg	5	4030069	03/04/04	03/08/04	EPA 8015B	
<i>Surrogate: Octacosane</i>		2880 %	50-150		"	"	"	"	S09

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### Extractable Hydrocarbons by EPA 8015B

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB4-3 (S402628-08) Soil    Sampled: 02/25/04 13:42    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>15</b>	2.0	mg/kg	1	4030069	03/04/04	03/08/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		93 %	50-150		"	"	"	"	
<b>SB3-0 (S402628-09) Soil    Sampled: 02/25/04 15:50    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>1300</b>	200	mg/kg	20	4030069	03/04/04	03/05/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		5890 %	50-150		"	"	"	"	S09
<b>SB3-3 (S402628-10) Soil    Sampled: 02/25/04 15:58    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>240</b>	50	mg/kg	5	4030069	03/04/04	03/06/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		624 %	50-150		"	"	"	"	S09
<b>SB5-0 (S402628-11) Soil    Sampled: 02/24/04 10:33    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>430</b>	100	mg/kg	10	4030069	03/04/04	03/06/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		7440 %	50-150		"	"	"	"	S09
<b>SB5-3 (S402628-12) Soil    Sampled: 02/24/04 10:41    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>40</b>	4.0	mg/kg	2	4030069	03/04/04	03/06/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		364 %	50-150		"	"	"	"	S09
<b>SB2-0 (S402628-13) Soil    Sampled: 02/24/04 12:10    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>39</b>	10	mg/kg	5	4030069	03/04/04	03/06/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		328 %	50-150		"	"	"	"	S09
<b>SB2-3 (S402628-14) Soil    Sampled: 02/24/04 12:16    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>ND</b>	2.0	mg/kg	1	4030069	03/04/04	03/06/04	EPA 8015B	
<i>Surrogate: Octacosane</i>		133 %	50-150		"	"	"	"	

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### Extractable Hydrocarbons by EPA 8015B

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SB8-0 (S402628-15) Soil    Sampled: 02/24/04 14:05    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>25</b>	4.0	mg/kg	2	4030069	03/04/04	03/06/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		346 %	50-150		"	"	"	"	S09
<b>SB8-3 (S402628-16) Soil    Sampled: 02/24/04 14:20    Received: 02/27/04 09:40</b>									
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg	1	4030069	03/04/04	03/05/04	EPA 8015B	
<i>Surrogate: Octacosane</i>		135 %	50-150		"	"	"	"	
<b>COMP 1 (S402628-17) Soil    Sampled: 02/25/04 16:07    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>570</b>	50	mg/kg	5	4030069	03/04/04	03/08/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		2280 %	50-150		"	"	"	"	S09
<b>COMP 2 (S402628-18) Soil    Sampled: 02/25/04 16:42    Received: 02/27/04 09:40</b>									
<b>Diesel Range Organics (C10-C28)</b>	<b>510</b>	100	mg/kg	50	4030069	03/04/04	03/05/04	EPA 8015B	HC-12
<i>Surrogate: Octacosane</i>		2950 %	50-150		"	"	"	"	S09

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### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units						
SB1-0 (S402628-01) Soil    Sampled: 02/24/04 15:51    Received: 02/27/04 09:40									
Mercury	ND	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	82	10	"	"	"	"	"	"	
Barium	44	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	190	1.0	"	"	"	"	"	"	
Cobalt	15	4.0	"	"	"	"	"	"	
Copper	14	1.0	"	"	"	"	"	"	
Lead	ND	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	240	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	92	20	"	"	"	"	"	"	
Vanadium	34	4.0	"	"	"	"	"	"	
Zinc	21	1.0	"	"	"	"	"	"	
SB1-3 (S402628-02) Soil    Sampled: 02/24/04 15:57    Received: 02/27/04 09:40									
Mercury	ND	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	11	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	80	10	"	"	"	"	"	"	
Barium	ND	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	710	1.0	"	"	"	"	"	"	
Cobalt	57	4.0	"	"	"	"	"	"	
Copper	10	1.0	"	"	"	"	"	"	
Lead	ND	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	1100	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	180	20	"	"	"	"	"	"	
Vanadium	26	4.0	"	"	"	"	"	"	
Zinc	15	1.0	"	"	"	"	"	"	

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### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting				Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units	Dilution					
SB6-0 (S402628-03) Soil    Sampled: 02/25/04 09:55    Received: 02/27/04 09:40									
Mercury	4.6	0.20	mg/kg	10	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	99	10	"	"	"	"	"	"	
Barium	55	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	250	1.0	"	"	"	"	"	"	
Cobalt	29	4.0	"	"	"	"	"	"	
Copper	120	1.0	"	"	"	"	"	"	
Lead	160	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	540	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	150	20	"	"	"	"	"	"	
Vanadium	47	4.0	"	"	"	"	"	"	
Zinc	100	1.0	"	"	"	"	"	"	
SB6-3 (S402628-04) Soil    Sampled: 02/25/04 10:00    Received: 02/27/04 09:40									
Mercury	0.22	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	11	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	84	10	"	"	"	"	"	"	
Barium	40	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	450	1.0	"	"	"	"	"	"	
Cobalt	52	4.0	"	"	"	"	"	"	
Copper	82	1.0	"	"	"	"	"	"	
Lead	310	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	1100	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	170	20	"	"	"	"	"	"	
Vanadium	27	4.0	"	"	"	"	"	"	
Zinc	120	1.0	"	"	"	"	"	"	

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### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting			Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit								
SB7-0 (S402628-05) Soil    Sampled: 02/25/04 12:01    Received: 02/27/04 09:40										
Mercury	0.30	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A		
Antimony	10	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A		
Arsenic	73	10	"	"	"	"	"	"		
Barium	77	10	"	"	"	"	"	"		
Beryllium	ND	1.0	"	"	"	"	"	"		
Cadmium	ND	1.0	"	"	"	"	"	"		
Chromium	240	1.0	"	"	"	"	"	"		
Cobalt	23	4.0	"	"	"	"	"	"		
Copper	40	1.0	"	"	"	"	"	"		
Lead	79	10	"	"	"	"	"	"		
Molybdenum	ND	4.0	"	"	"	"	"	"		
Nickel	420	4.0	"	"	"	"	"	"		
Selenium	ND	10	"	"	"	"	"	"		
Silver	ND	1.0	"	"	"	"	"	"		
Thallium	98	20	"	"	"	"	"	"		
Vanadium	35	4.0	"	"	"	"	"	"		
Zinc	62	1.0	"	"	"	"	"	"		
SB7-3 (S402628-06) Soil    Sampled: 02/25/04 12:10    Received: 02/27/04 09:40										
Mercury	ND	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A		
Antimony	14	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A		
Arsenic	89	10	"	"	"	"	"	"		
Barium	ND	10	"	"	"	"	"	"		
Beryllium	ND	1.0	"	"	"	"	"	"		
Cadmium	ND	1.0	"	"	"	"	"	"		
Chromium	660	1.0	"	"	"	"	"	"		
Cobalt	67	4.0	"	"	"	"	"	"		
Copper	13	1.0	"	"	"	"	"	"		
Lead	ND	10	"	"	"	"	"	"		
Molybdenum	ND	4.0	"	"	"	"	"	"		
Nickel	1400	4.0	"	"	"	"	"	"		
Selenium	ND	10	"	"	"	"	"	"		
Silver	ND	1.0	"	"	"	"	"	"		
Thallium	190	20	"	"	"	"	"	"		
Vanadium	24	4.0	"	"	"	"	"	"		
Zinc	13	1.0	"	"	"	"	"	"		



CH2M Hill - Sacramento  
2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units						
SB4-0 (S402628-07) Soil    Sampled: 02/25/04 13:35    Received: 02/27/04 09:40									
Mercury	0.088	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	45	10	"	"	"	"	"	"	
Barium	36	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	58	1.0	"	"	"	"	"	"	
Cobalt	6.2	4.0	"	"	"	"	"	"	
Copper	10	1.0	"	"	"	"	"	"	
Lead	44	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	55	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	45	20	"	"	"	"	"	"	
Vanadium	26	4.0	"	"	"	"	"	"	
Zinc	42	1.0	"	"	"	"	"	"	
SB4-3 (S402628-08) Soil    Sampled: 02/25/04 13:42    Received: 02/27/04 09:40									
Mercury	0.16	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	42	10	"	"	"	"	"	"	
Barium	80	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	36	1.0	"	"	"	"	"	"	
Cobalt	4.9	4.0	"	"	"	"	"	"	
Copper	19	1.0	"	"	"	"	"	"	
Lead	150	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	31	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	41	20	"	"	"	"	"	"	
Vanadium	23	4.0	"	"	"	"	"	"	
Zinc	110	1.0	"	"	"	"	"	"	

CH2M Hill - Sacramento  
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03/17/04 16:13

### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units						
SB3-0 (S402628-09) Soil    Sampled: 02/25/04 15:50    Received: 02/27/04 09:40									
Mercury	0.19	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	110	10	"	"	"	"	"	"	
Barium	72	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	64	1.0	"	"	"	"	"	"	
Cobalt	12	4.0	"	"	"	"	"	"	
Copper	85	1.0	"	"	"	"	"	"	
Lead	64	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	100	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	98	20	"	"	"	"	"	"	
Vanadium	76	4.0	"	"	"	"	"	"	
Zinc	77	1.0	"	"	"	"	"	"	
SB3-3 (S402628-10) Soil    Sampled: 02/25/04 15:58    Received: 02/27/04 09:40									
Mercury	0.073	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	77	10	"	"	"	"	"	"	
Barium	590	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	9.8	1.0	"	"	"	"	"	"	
Cobalt	7.3	4.0	"	"	"	"	"	"	
Copper	25	1.0	"	"	"	"	"	"	
Lead	ND	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	30	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	26	20	"	"	"	"	"	"	
Vanadium	28	4.0	"	"	"	"	"	"	
Zinc	28	1.0	"	"	"	"	"	"	

CH2M Hill - Sacramento  
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### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting				Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units	Dilution					
SB5-0 (S402628-11) Soil    Sampled: 02/24/04 10:33    Received: 02/27/04 09:40									
Mercury	0.042	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	56	10	"	"	"	"	"	"	
Barium	41	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	39	1.0	"	"	"	"	"	"	
Cobalt	6.6	4.0	"	"	"	"	"	"	
Copper	11	1.0	"	"	"	"	"	"	
Lead	13	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	62	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	52	20	"	"	"	"	"	"	
Vanadium	26	4.0	"	"	"	"	"	"	
Zinc	29	1.0	"	"	"	"	"	"	
SB5-3 (S402628-12) Soil    Sampled: 02/24/04 10:41    Received: 02/27/04 09:40									
Mercury	0.092	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	51	10	"	"	"	"	"	"	
Barium	17	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	110	1.0	"	"	"	"	"	"	
Cobalt	14	4.0	"	"	"	"	"	"	
Copper	7.3	1.0	"	"	"	"	"	"	
Lead	ND	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	230	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	62	20	"	"	"	"	"	"	
Vanadium	33	4.0	"	"	"	"	"	"	
Zinc	26	1.0	"	"	"	"	"	"	

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### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units						
SB2-0 (S402628-13) Soil    Sampled: 02/24/04 12:10    Received: 02/27/04 09:40									
Mercury	0.052	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	39	10	"	"	"	"	"	"	
Barium	24	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	59	1.0	"	"	"	"	"	"	
Cobalt	7.3	4.0	"	"	"	"	"	"	
Copper	6.5	1.0	"	"	"	"	"	"	
Lead	15	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	88	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	38	20	"	"	"	"	"	"	
Vanadium	21	4.0	"	"	"	"	"	"	
Zinc	20	1.0	"	"	"	"	"	"	
SB2-3 (S402628-14) Soil    Sampled: 02/24/04 12:16    Received: 02/27/04 09:40									
Mercury	0.062	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	48	10	"	"	"	"	"	"	
Barium	22	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	170	1.0	"	"	"	"	"	"	
Cobalt	18	4.0	"	"	"	"	"	"	
Copper	7.1	1.0	"	"	"	"	"	"	
Lead	22	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	340	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	64	20	"	"	"	"	"	"	
Vanadium	22	4.0	"	"	"	"	"	"	
Zinc	20	1.0	"	"	"	"	"	"	

CH2M Hill - Sacramento  
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### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units						
SB8-0 (S402628-15) Soil    Sampled: 02/24/04 14:05    Received: 02/27/04 09:40									
Mercury	0.14	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	11	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	70	10	"	"	"	"	"	"	
Barium	34	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	760	1.0	"	"	"	"	"	"	
Cobalt	52	4.0	"	"	"	"	"	"	
Copper	21	1.0	"	"	"	"	"	"	
Lead	ND	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	1100	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	140	20	"	"	"	"	"	"	
Vanadium	50	4.0	"	"	"	"	"	"	
Zinc	51	1.0	"	"	"	"	"	"	
SB8-3 (S402628-16) Soil    Sampled: 02/24/04 14:20    Received: 02/27/04 09:40									
Mercury	ND	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	12	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	65	10	"	"	"	"	"	"	
Barium	ND	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	700	1.0	"	"	"	"	"	"	
Cobalt	47	4.0	"	"	"	"	"	"	
Copper	8.3	1.0	"	"	"	"	"	"	
Lead	ND	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	970	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	140	20	"	"	"	"	"	"	
Vanadium	24	4.0	"	"	"	"	"	"	
Zinc	13	1.0	"	"	"	"	"	"	

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### Total Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting			Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units						
COMP 1 (S402628-17) Soil    Sampled: 02/25/04 16:07    Received: 02/27/04 09:40									
Mercury	0.34	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	66	10	"	"	"	"	"	"	
Barium	36	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	360	1.0	"	"	"	"	"	"	
Cobalt	31	4.0	"	"	"	"	"	"	
Copper	23	1.0	"	"	"	"	"	"	
Lead	39	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	590	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	100	20	"	"	"	"	"	"	
Vanadium	30	4.0	"	"	"	"	"	"	
Zinc	47	1.0	"	"	"	"	"	"	
COMP 2 (S402628-18) Soil    Sampled: 02/25/04 16:42    Received: 02/27/04 09:40									
Mercury	0.37	0.020	mg/kg	1	4030097	03/08/04	03/08/04	EPA 7471A	
Antimony	ND	10	"	4	4030060	03/04/04	03/05/04	EPA 6010A	
Arsenic	65	10	"	"	"	"	"	"	
Barium	30	10	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	440	1.0	"	"	"	"	"	"	
Cobalt	34	4.0	"	"	"	"	"	"	
Copper	17	1.0	"	"	"	"	"	"	
Lead	19	10	"	"	"	"	"	"	
Molybdenum	ND	4.0	"	"	"	"	"	"	
Nickel	660	4.0	"	"	"	"	"	"	
Selenium	ND	10	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
Thallium	100	20	"	"	"	"	"	"	
Vanadium	28	4.0	"	"	"	"	"	"	
Zinc	41	1.0	"	"	"	"	"	"	

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**Reported:**  
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### STLC CAM Metals by EPA 6000/7000 Series Methods

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>COMP 1 (S402628-17) Soil    Sampled: 02/25/04 16:07    Received: 02/27/04 09:40</b>									
Mercury	ND	0.0010	mg/l	1	4030109	03/09/04	03/09/04	EPA 7470A	
Antimony	ND	0.60	"	4	4030049	03/03/04	03/05/04	EPA 6010A	
<b>Arsenic</b>	<b>0.97</b>	0.60	"	"	"	"	"	"	
<b>Barium</b>	<b>1.9</b>	0.40	"	"	"	"	"	"	
Beryllium	ND	0.040	"	"	"	"	"	"	
Cadmium	ND	0.040	"	"	"	"	"	"	
<b>Chromium</b>	<b>2.7</b>	0.040	"	"	"	"	"	"	
<b>Cobalt</b>	<b>1.0</b>	0.16	"	"	"	"	"	"	
<b>Copper</b>	<b>0.59</b>	0.040	"	"	"	"	"	"	
<b>Lead</b>	<b>2.6</b>	0.40	"	"	"	"	"	"	
Molybdenum	ND	0.16	"	"	"	"	"	"	
<b>Nickel</b>	<b>13</b>	0.16	"	"	"	"	"	"	
Selenium	ND	0.40	"	"	"	"	"	"	
Silver	ND	0.040	"	"	"	"	"	"	
<b>Thallium</b>	<b>0.74</b>	0.40	"	"	"	"	"	"	
<b>Vanadium</b>	<b>0.35</b>	0.16	"	"	"	"	"	"	
<b>Zinc</b>	<b>1.9</b>	0.040	"	"	"	"	"	"	
<b>COMP 2 (S402628-18) Soil    Sampled: 02/25/04 16:42    Received: 02/27/04 09:40</b>									
Mercury	ND	0.0010	mg/l	1	4030109	03/09/04	03/09/04	EPA 7470A	
Antimony	ND	0.60	"	4	4030049	03/03/04	03/05/04	EPA 6010A	
<b>Arsenic</b>	<b>1.0</b>	0.60	"	"	"	"	"	"	
<b>Barium</b>	<b>1.9</b>	0.40	"	"	"	"	"	"	
Beryllium	ND	0.040	"	"	"	"	"	"	
Cadmium	ND	0.040	"	"	"	"	"	"	
<b>Chromium</b>	<b>3.5</b>	0.040	"	"	"	"	"	"	
<b>Cobalt</b>	<b>1.3</b>	0.16	"	"	"	"	"	"	
<b>Copper</b>	<b>0.51</b>	0.040	"	"	"	"	"	"	
<b>Lead</b>	<b>2.9</b>	0.40	"	"	"	"	"	"	
Molybdenum	ND	0.16	"	"	"	"	"	"	
<b>Nickel</b>	<b>17</b>	0.16	"	"	"	"	"	"	
Selenium	ND	0.40	"	"	"	"	"	"	
Silver	ND	0.040	"	"	"	"	"	"	
<b>Thallium</b>	<b>0.90</b>	0.40	"	"	"	"	"	"	
<b>Vanadium</b>	<b>0.34</b>	0.16	"	"	"	"	"	"	
<b>Zinc</b>	<b>1.1</b>	0.040	"	"	"	"	"	"	

CH2M Hill - Sacramento  
2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

### Conventional Chemistry Parameters by APHA/EPA Methods

#### Sequoia Analytical - Sacramento

Analyte	Reporting									Notes
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method		
<b>COMP 1 (S402628-17) Soil    Sampled: 02/25/04 16:07    Received: 02/27/04 09:40</b>										
<b>Corrosivity</b>	<b>8.3</b>		pH Units	1	4030121	03/09/04	03/09/04	EPA 9045C		
<b>COMP 2 (S402628-18) Soil    Sampled: 02/25/04 16:42    Received: 02/27/04 09:40</b>										
<b>Corrosivity</b>	<b>8.5</b>		pH Units	1	4030121	03/09/04	03/09/04	EPA 9045C		



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Project: N/A  
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S402628  
**Reported:**  
03/17/04 16:13

## INORGANICS - Quality Control

### Del Mar Analytical, Irvine

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4C04115 - GEN PREP

**Duplicate (4C04115-DUP1)**
**Source: INC0010-01**
**Prepared & Analyzed: 03/04/04**

Ignitability	1.00	1.0	N/A	1.0		0	20	SB
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CH2M Hill - Sacramento  
2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

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**Reported:**  
03/17/04 16:13

## Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4030044 - EPA 3550A Sonicate

##### Blank (4030044-BLK1)

Prepared: 03/02/04 Analyzed: 03/10/04

Acenaphthene	ND	170	ug/kg
Acenaphthylene	ND	330	"
Anthracene	ND	17	"
Benzo (a) anthracene	ND	17	"
Benzo (b) fluoranthene	ND	17	"
Benzo (k) fluoranthene	ND	17	"
Benzo (g,h,i) perylene	ND	33	"
Benzo (a) pyrene	ND	17	"
Chrysene	ND	17	"
Dibenz (a,h) anthracene	ND	33	"
Fluoranthene	ND	17	"
Fluorene	ND	33	"
Indeno (1,2,3-cd) pyrene	ND	17	"
Naphthalene	ND	170	"
Phenanthrene	ND	17	"
Pyrene	ND	17	"

Surrogate: Carbazole 21.8 " 33.3 65 42-109

Surrogate: Terphenyl-d14 53.4 " 66.7 80 63-112

##### Laboratory Control Sample (4030044-BS1)

Prepared: 03/02/04 Analyzed: 03/10/04

Acenaphthene	118	170	ug/kg	333	35	41-103	QC05b
Acenaphthylene	220	330	"	667	33	40-89	QC05c
Anthracene	13.6	17	"	33.3	41	20-107	
Benzo (a) anthracene	24.0	17	"	33.3	72	58-111	
Benzo (b) fluoranthene	49.5	17	"	66.7	74	62-120	
Benzo (k) fluoranthene	25.9	17	"	33.3	78	64-114	
Benzo (g,h,i) perylene	30.0	33	"	66.7	45	47-128	QC05
Benzo (a) pyrene	18.7	17	"	33.3	56	10-110	
Chrysene	25.9	17	"	33.3	78	63-118	
Dibenz (a,h) anthracene	41.2	33	"	66.7	62	56-127	
Fluoranthene	36.4	17	"	66.7	55	55-104	
Fluorene	28.5	33	"	66.7	43	29-124	
Indeno (1,2,3-cd) pyrene	20.1	17	"	33.3	60	51-129	
Naphthalene	90.2	170	"	333	27	31-94	QC05a
Phenanthrene	13.5	17	"	33.3	41	45-114	QC05a
Pyrene	19.3	17	"	33.3	58	65-110	QC05c

Sequoia Analytical - Sacramento

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Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
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03/17/04 16:13

## Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4030044 - EPA 3550A Sonicate

##### Laboratory Control Sample (4030044-BS1)

Prepared: 03/02/04 Analyzed: 03/10/04

Surrogate: Carbazole	20.4		ug/kg	33.3		61	42-109			
Surrogate: Terphenyl-d14	49.4		"	66.7		74	63-112			

##### Matrix Spike (4030044-MS1)

Source: S402628-02

Prepared: 03/02/04 Analyzed: 03/10/04

Acenaphthene	319	170	ug/kg	333	480	NR	41-103			QM10
Acenaphthylene	355	330	"	667	ND	53	40-89			
Anthracene	207	170	"	33.3	ND	622	20-107			QM10
Benzo (a) anthracene	205	170	"	33.3	250	NR	58-111			QM10
Benzo (b) fluoranthene	189	17	"	66.7	250	NR	62-120			QM10
Benzo (k) fluoranthene	86.7	17	"	33.3	91	NR	64-114			CC06, QM10
Benzo (g,h,i) perylene	202	330	"	66.7	ND	303	47-128			QM10
Benzo (a) pyrene	124	17	"	33.3	140	NR	10-110			QM10
Chrysene	197	170	"	33.3	230	NR	63-118			QM10
Dibenz (a,h) anthracene	222	330	"	66.7	390	NR	56-127			QM10
Fluoranthene	441	170	"	66.7	580	NR	55-104			QM10
Fluorene	175	33	"	66.7	330	NR	29-124			QM10
Indeno (1,2,3-cd) pyrene	230	170	"	33.3	190	120	51-129			
Naphthalene	110	170	"	333	ND	33	31-94			QM10
Phenanthrene	ND	17	"	33.3	ND		45-114			QM10
Pyrene	769	170	"	33.3	1200	NR	65-110			QM10
Surrogate: Carbazole	27.7		"	33.3		83	42-109			
Surrogate: Terphenyl-d14	81.5		"	66.7		122	63-112			S04

##### Matrix Spike Dup (4030044-MSD1)

Source: S402628-02

Prepared: 03/02/04 Analyzed: 03/10/04

Acenaphthene	621	170	ug/kg	333	480	42	41-103	64	40	QM10
Acenaphthylene	602	330	"	667	ND	90	40-89	52	20	QM10
Anthracene	419	170	"	33.3	ND	NR	20-107	68	28	QM10
Benzo (a) anthracene	302	170	"	33.3	250	156	58-111	38	29	QM10
Benzo (b) fluoranthene	250	17	"	66.7	250	0	62-120	28	37	QM10
Benzo (k) fluoranthene	120	17	"	33.3	91	87	64-114	32	30	CC06, QM10
Benzo (g,h,i) perylene	347	330	"	66.7	ND	520	47-128	53	51	QM10
Benzo (a) pyrene	208	170	"	33.3	140	204	10-110	51	20	CC06b, QM10
Chrysene	278	170	"	33.3	230	144	63-118	34	32	QM10
Dibenz (a,h) anthracene	856	330	"	66.7	390	699	56-127	118	20	QM10

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2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
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03/17/04 16:13

## Polynuclear Aromatic Compounds by EPA Method 8310 - Quality Control

### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4030044 - EPA 3550A Sonicate

Matrix Spike Dup (4030044-MSD1)	Source: S402628-02			Prepared: 03/02/04		Analyzed: 03/11/04				
Fluoranthene	695	170	ug/kg	66.7	580	172	55-104	45	39	QM10
Fluorene	321	330	"	66.7	330	NR	29-124	59	25	QM10
Indeno (1,2,3-cd) pyrene	437	170	"	33.3	190	742	51-129	62	35	QM10
Naphthalene	172	170	"	33.3	ND	52	31-94	44	33	QM10
Phenanthrene	ND	17	"	33.3	ND		45-114		47	QM10
Pyrene	1450	170	"	33.3	1200	751	65-110	61	30	QM10
Surrogate: Carbazole	31.3		"	33.3		94	42-109			
Surrogate: Terphenyl-d14	101		"	66.7		151	63-112			S04

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2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

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03/17/04 16:13

### Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

#### Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4030174 - General Preparation

##### Blank (4030174-BLK1)

Prepared: 03/03/04 Analyzed: 03/04/04

Reactive Cyanide	ND	10	mg/l							
Reactive Sulfide	ND	50	"							
Reactivity in Water	ND	1.0	N/A							

##### Laboratory Control Sample (4030174-BS1)

Prepared: 03/03/04 Analyzed: 03/04/04

Reactive Cyanide	119	10	mg/l	500		24	5-120			
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##### Laboratory Control Sample (4030174-BS2)

Prepared: 03/03/04 Analyzed: 03/04/04

Reactive Sulfide	443	50	mg/l	1610		28	5-120			
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2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

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03/17/04 16:13

### Purgeable Hydrocarbons by EPA 8015B - Quality Control

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4020384 - EPA 5030B (P/T)</b>									
<b>Blank (4020384-BLK1)</b>				Prepared & Analyzed: 02/26/04					
Gasoline Range Organics	ND	0.10	mg/kg						
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0178		"	0.0200		89	60-140		
<b>Blank (4020384-BLK2)</b>				Prepared & Analyzed: 03/03/04					
Gasoline Range Organics	ND	0.10	mg/kg						
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0144		"	0.0200		72	60-140		
<b>Blank (4020384-BLK3)</b>				Prepared & Analyzed: 03/04/04					
Gasoline Range Organics	ND	0.10	mg/kg						
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0143		"	0.0200		72	60-140		
<b>Laboratory Control Sample (4020384-BS1)</b>				Prepared & Analyzed: 02/26/04					
Gasoline Range Organics	1.08	0.10	mg/kg	1.00		108	62-122		
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0198		"	0.0200		99	60-140		
<b>Laboratory Control Sample (4020384-BS2)</b>				Prepared & Analyzed: 03/03/04					
Gasoline Range Organics	1.00	0.10	mg/kg	1.00		100	62-122		
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0193		"	0.0200		97	60-140		
<b>Laboratory Control Sample (4020384-BS3)</b>				Prepared & Analyzed: 03/04/04					
Gasoline Range Organics	1.07	0.10	mg/kg	1.00		107	62-122		
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0196		"	0.0200		98	60-140		
<b>Matrix Spike (4020384-MS1)</b>				Prepared & Analyzed: 02/26/04					
Gasoline Range Organics	0.888	0.10	mg/kg	1.00	ND	89	60-140		
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0181		"	0.0200		91	60-140		
<b>Matrix Spike Dup (4020384-MSD1)</b>				Prepared & Analyzed: 02/26/04					
Gasoline Range Organics	0.851	0.10	mg/kg	1.00	ND	85	60-140	4	25
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0172		"	0.0200		86	60-140		

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Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

### Purgeable Hydrocarbons by EPA 8015B - Quality Control

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4030053 - EPA 5030B (MeOH)**
**Blank (4030053-BLK1)**

Prepared &amp; Analyzed: 03/04/04

Gasoline Range Organics	ND	5.0	mg/kg							
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0199		"	0.0200		100	60-140			

**Laboratory Control Sample (4030053-BS1)**

Prepared &amp; Analyzed: 03/04/04

Gasoline Range Organics	0.582	0.10	mg/kg	0.500		116	62-122			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0242		"	0.0200		121	60-140			

**Laboratory Control Sample (4030053-BS2)**

Prepared &amp; Analyzed: 03/04/04

Gasoline Range Organics	0.500	0.10	mg/kg	0.500		100	62-122			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	0.0238		"	0.0200		119	60-140			

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Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

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**Reported:**  
03/17/04 16:13

### Extractable Hydrocarbons by EPA 8015B - Quality Control

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 4030069 - EPA 3550B</b>										
<b>Blank (4030069-BLK1)</b>				Prepared: 03/04/04 Analyzed: 03/05/04						
Diesel Range Organics (C10-C28)	ND	2.0	mg/kg							
Surrogate: Octacosane	0.689		"	0.667		103	50-150			
<b>Laboratory Control Sample (4030069-BS1)</b>				Prepared & Analyzed: 03/04/04						
Diesel Range Organics (C10-C28)	13.1	2.0	mg/kg	16.7		78	60-140			
Surrogate: Octacosane	0.664		"	0.667		100	50-150			
<b>Matrix Spike (4030069-MS1)</b>				<b>Source: S402628-07</b>		Prepared: 03/04/04 Analyzed: 03/06/04				
Diesel Range Organics (C10-C28)	168	50	mg/kg	16.7	160	48	50-150			zQM4X
Surrogate: Octacosane	9.88		"	0.667		NR	50-150			S09
<b>Matrix Spike Dup (4030069-MSD1)</b>				<b>Source: S402628-07</b>		Prepared: 03/04/04 Analyzed: 03/06/04				
Diesel Range Organics (C10-C28)	171	50	mg/kg	16.7	160	66	50-150	2	50	zQM4X
Surrogate: Octacosane	8.43		"	0.667		NR	50-150			S09



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Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

### Total Metals by EPA 6000/7000 Series Methods - Quality Control

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4030060 - EPA 3050B**
**Blank (4030060-BLK1)**

Prepared: 03/04/04 Analyzed: 03/05/04

Antimony	ND	2.5	mg/kg
Arsenic	ND	2.5	"
Barium	ND	2.5	"
Beryllium	ND	0.25	"
Cadmium	ND	0.25	"
Chromium	ND	0.25	"
Cobalt	ND	1.0	"
Copper	ND	0.25	"
Lead	ND	2.5	"
Molybdenum	ND	1.0	"
Nickel	ND	1.0	"
Selenium	ND	2.5	"
Silver	ND	0.25	"
Thallium	ND	5.0	"
Vanadium	ND	1.0	"
Zinc	ND	0.25	"

**Laboratory Control Sample (4030060-BS1)**

Prepared: 03/04/04 Analyzed: 03/05/04

Arsenic	41.8	2.5	mg/kg	50.0	84	80-120
Cadmium	44.7	0.25	"	50.0	89	80-120
Chromium	43.4	0.25	"	50.0	87	80-120
Nickel	44.0	1.0	"	50.0	88	80-120
Zinc	44.9	0.25	"	50.0	90	80-120

**Matrix Spike (4030060-MS1)**
**Source: S402628-05**

Prepared: 03/04/04 Analyzed: 03/05/04

Arsenic	106	10	mg/kg	50.0	73	66	80-120	zQLIM
Cadmium	39.4	1.0	"	50.0	ND	79	80-120	zQLIM
Chromium	281	1.0	"	50.0	240	82	80-120	
Nickel	427	4.0	"	50.0	420	14	80-120	zQLIM
Zinc	95.5	1.0	"	50.0	62	67	80-120	zQLIM

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2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

### Total Metals by EPA 6000/7000 Series Methods - Quality Control

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4030060 - EPA 3050B**

<b>Matrix Spike Dup (4030060-MSD1)</b>	<b>Source: S402628-05</b>			Prepared: 03/04/04		Analyzed: 03/05/04				
Arsenic	111	10	mg/kg	50.0	73	76	80-120	5	20	zQLIM
Cadmium	41.7	1.0	"	50.0	ND	83	80-120	6	20	
Chromium	318	1.0	"	50.0	240	156	80-120	12	20	zQLIM
Nickel	491	4.0	"	50.0	420	142	80-120	14	20	zQLIM
Zinc	106	1.0	"	50.0	62	88	80-120	10	20	

**Batch 4030097 - EPA 7471A**

<b>Blank (4030097-BLK1)</b>	Prepared & Analyzed: 03/08/04									
Mercury	ND	0.020	mg/kg							
<b>Laboratory Control Sample (4030097-BS1)</b>	Prepared & Analyzed: 03/08/04									
Mercury	0.430	0.020	mg/kg	0.417		103	80-120			
<b>Matrix Spike (4030097-MS1)</b>	<b>Source: S402628-01</b>			Prepared & Analyzed: 03/08/04						
Mercury	0.427	0.020	mg/kg	0.417	ND	102	75-125			
<b>Matrix Spike Dup (4030097-MSD1)</b>	<b>Source: S402628-01</b>			Prepared & Analyzed: 03/08/04						
Mercury	0.428	0.020	mg/kg	0.417	ND	103	75-125	0.2	20	

CH2M Hill - Sacramento  
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Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

## STLC CAM Metals by EPA 6000/7000 Series Methods - Quality Control

### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4030049 - Title 22-STLC

##### Blank (4030049-BLK1)

Prepared: 03/03/04 Analyzed: 03/05/04

Antimony	ND	0.60	mg/l
Arsenic	ND	0.60	"
Barium	ND	0.40	"
Beryllium	ND	0.040	"
Cadmium	ND	0.040	"
Chromium	ND	0.040	"
Cobalt	ND	0.16	"
Copper	ND	0.040	"
Lead	ND	0.40	"
Molybdenum	ND	0.16	"
Nickel	ND	0.16	"
Selenium	ND	0.40	"
Silver	ND	0.040	"
Thallium	ND	0.40	"
Vanadium	ND	0.16	"
Zinc	ND	0.040	"

##### Laboratory Control Sample (4030049-BS1)

Prepared: 03/03/04 Analyzed: 03/05/04

Arsenic	4.34	0.60	mg/l	4.00	108	80-120
Cadmium	3.85	0.040	"	4.00	96	80-120
Chromium	3.72	0.040	"	4.00	93	80-120
Nickel	3.75	0.16	"	4.00	94	80-120
Zinc	3.83	0.040	"	4.00	96	80-120

##### Laboratory Control Sample Dup (4030049-BSD1)

Prepared: 03/03/04 Analyzed: 03/05/04

Arsenic	4.25	0.60	mg/l	4.00	106	80-120	2	20
Cadmium	3.73	0.040	"	4.00	93	80-120	3	20
Chromium	3.60	0.040	"	4.00	90	80-120	3	20
Nickel	3.64	0.16	"	4.00	91	80-120	3	20
Zinc	3.69	0.040	"	4.00	92	80-120	4	20

CH2M Hill - Sacramento  
2485 Natomas Park Dr., Ste. 600  
Sacramento CA, 95833-2937

Project: N/A  
Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

### STLC CAM Metals by EPA 6000/7000 Series Methods - Quality Control

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4030109 - EPA 7470A

**Blank (4030109-BLK1)** Prepared & Analyzed: 03/09/04

Mercury ND 0.00020 mg/l

**Blank (4030109-BLK2)** Prepared & Analyzed: 03/09/04

Mercury ND 0.0010 mg/l

**Laboratory Control Sample (4030109-BS1)** Prepared & Analyzed: 03/09/04

Mercury 0.00525 0.00020 mg/l 0.00500 105 80-120

**Matrix Spike (4030109-MS1)** **Source: S402609-02** Prepared & Analyzed: 03/09/04

Mercury 0.00524 0.00020 mg/l 0.00500 ND 105 75-125

**Matrix Spike Dup (4030109-MSD1)** **Source: S402609-02** Prepared & Analyzed: 03/09/04

Mercury 0.00520 0.00020 mg/l 0.00500 ND 104 75-125 0.8 20

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S402628  
**Reported:**  
03/17/04 16:13

### Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

#### Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4030121 - General Preparation

**Duplicate (4030121-DUP1)**
**Source: S402628-17**
**Prepared & Analyzed: 03/09/04**

Corrosivity	8.27		pH Units	8.3				0.4	20	
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CH2M Hill - Sacramento  
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Project Number: 184288.03.AF.PS  
Project Manager: Tom Lae

S402628  
**Reported:**  
03/17/04 16:13

### Notes and Definitions

- A-01 A positive result for this compound was confirmed on a second detector, however poor comparability of the UV spectra indicates there may be a matrix effect.
- CC06 The closing calibration standard for this analyte was outside acceptance criteria by 0.4% due to instrument contamination from the samples. This should be considered in evaluating the result for its intended purpose.
- CC06a The closing calibration standard for this analyte was outside acceptance criteria by 0.7% due to instrument contamination from the samples. This should be considered in evaluating the result for its intended purpose.
- CC06b The closing calibration standard for this analyte was outside acceptance criteria by 0.8% due to instrument contamination from the samples. This should be considered in evaluating the result for its intended purpose.
- CC06c The closing calibration standard for this analyte was outside acceptance criteria by 2.1% due to instrument contamination from the samples. This should be considered in evaluating the result for its intended purpose.
- CC07 The opening calibration standard for this analyte was outside acceptance criteria due to instrument contamination from the samples. This should be considered in evaluating the result for its intended purpose.
- HC-12 Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- QC05 The recovery was below the control limit by 2%. This should be considered in evaluating the results associated with this batch for their intended purpose.
- QC05a The recovery was below the control limit by 4%. This should be considered in evaluating the results associated with this batch for their intended purpose.
- QC05b The recovery was below the control limit by 6%. This should be considered in evaluating the results associated with this batch for their intended purpose.
- QC05c The recovery was below the control limit by 7%. This should be considered in evaluating the results associated with this batch for their intended purpose.
- QM10 Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
- R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
- R-06 The reporting limits for this analysis are raised due to the inability to concentrate the extract to the appropriate final volume.
- S02 The surrogate recovery was below control limits. The result may still be useful for its intended purpose.
- S04 The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
- S05 The surrogate recovery for this sample is below control limits due to interference from the sample matrix.
- S07 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
- S09 The recovery of this surrogate is outside control limits due to sample dilution which was required by high analyte concentration in the sample and/or matrix interference.

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S402628  
**Reported:**  
03/17/04 16:13

### Notes and Definitions

S17 The surrogate recovery was above control limits due to a matrix effect as confirmed by the MS/MSD performed on this sample.

SB Sustained burning when exposed to open flame.

zQLIM The percent recovery was outside of the control limits. The samples results may still be useful for their intended purpose.

zQM4X The spike recovery was outside of control limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

zS04 The surrogate recovery for this sample is outside control limits due to interference from the sample matrix.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference